



KOSHIHIKARI



KASALATH

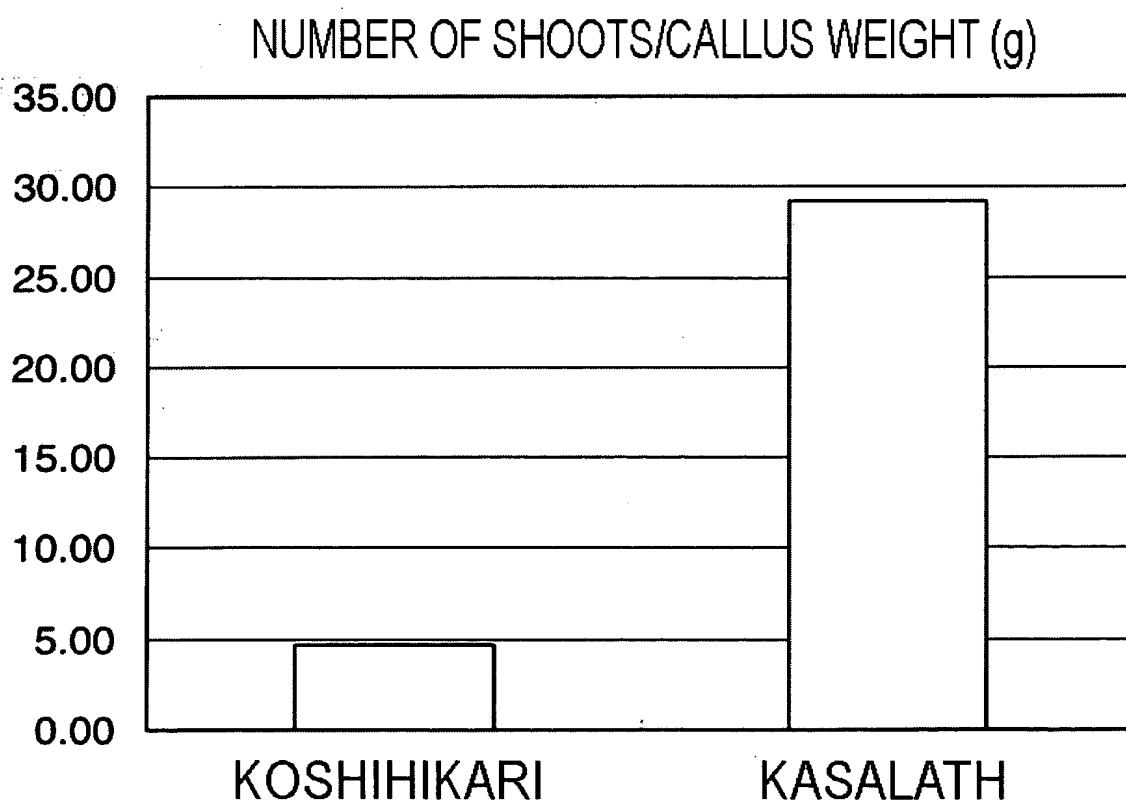


FIG. 1

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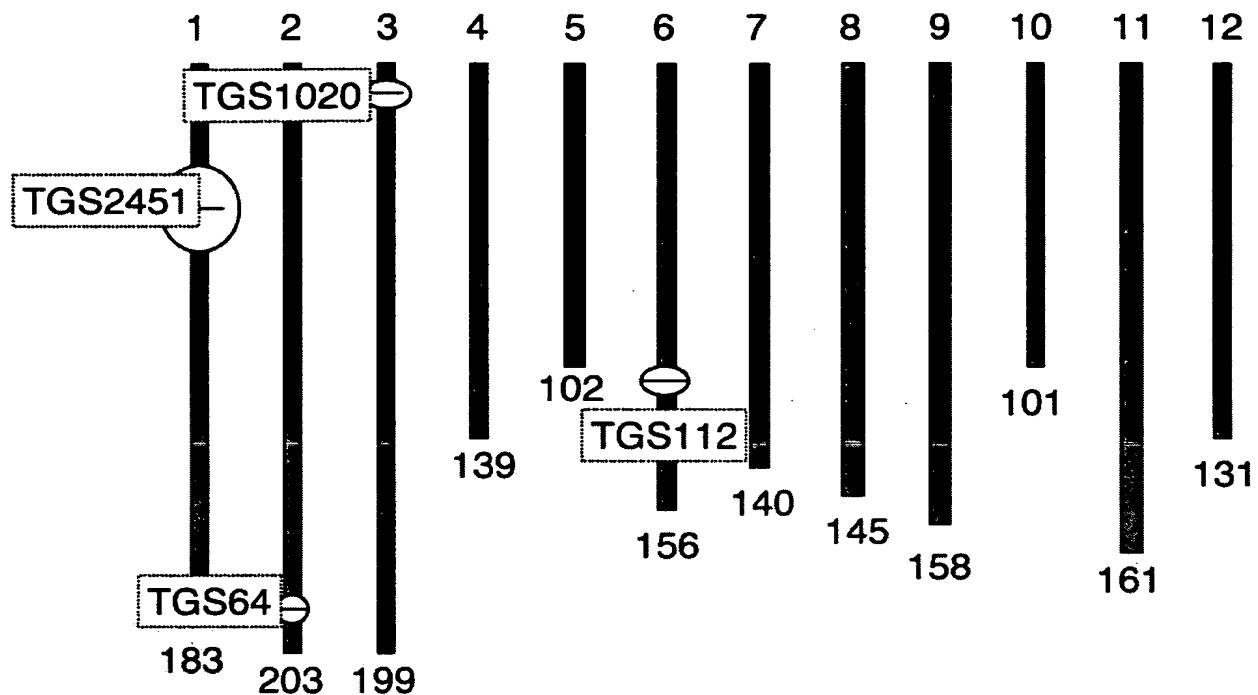


FIG. 2

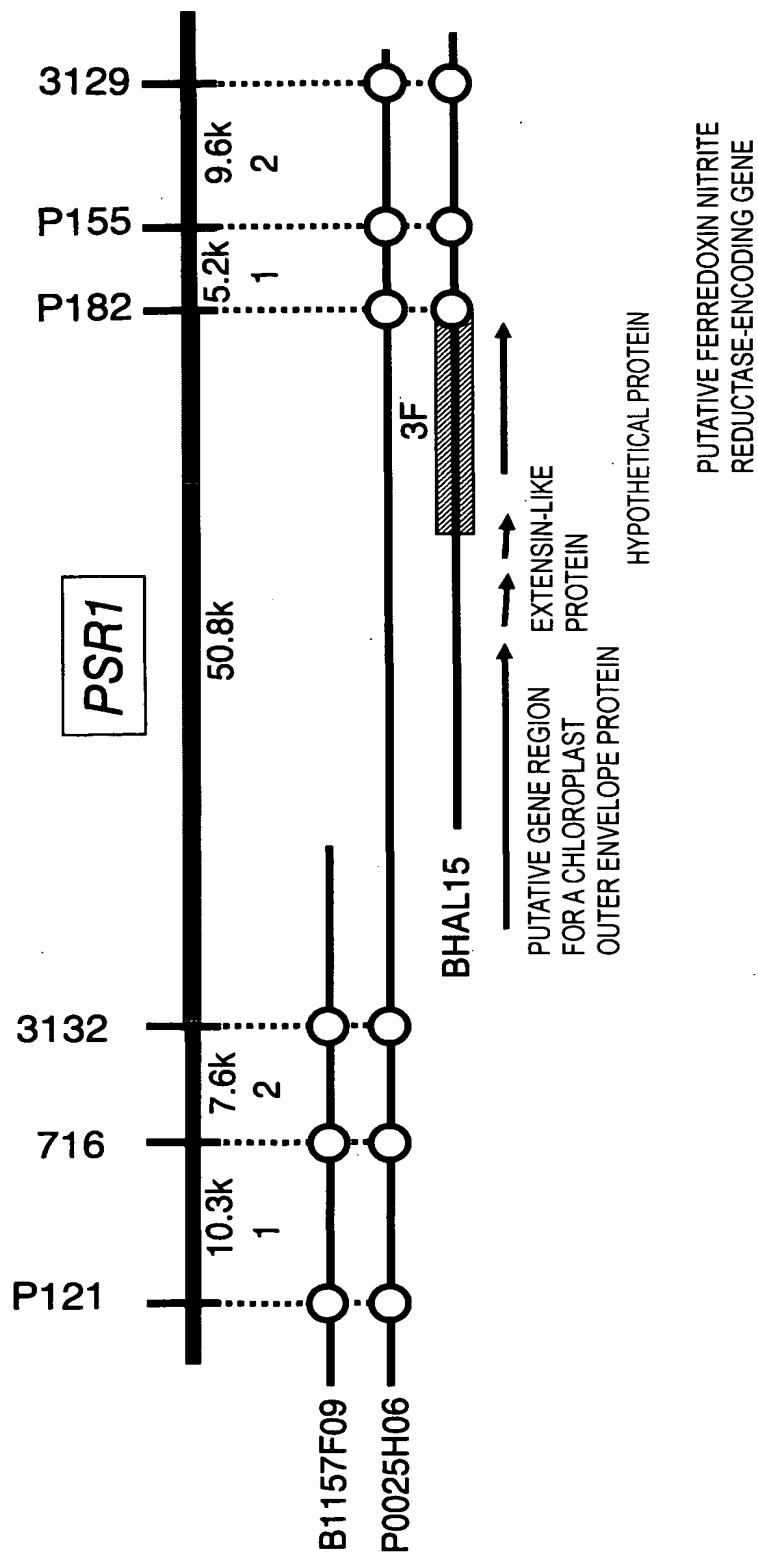


FIG. 3

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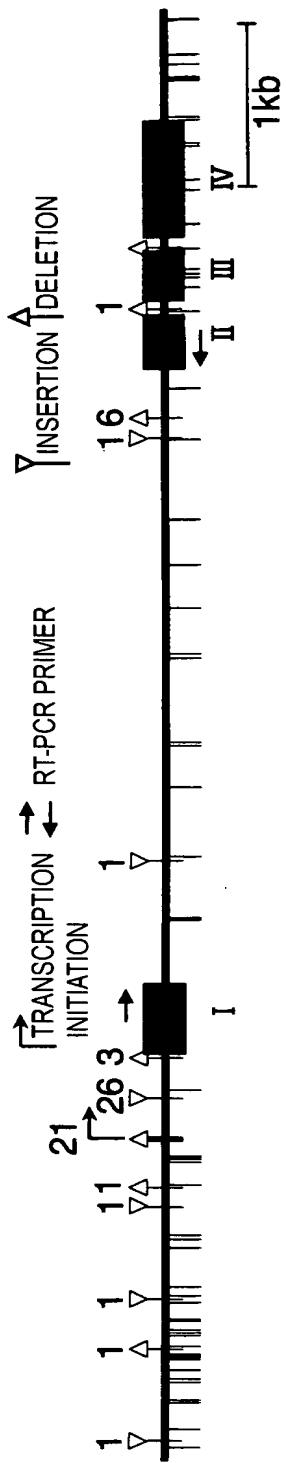
VECTOR



3F

FIG. 4

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| | | |
|-----|--|-----|
| 1 | MASSASLQRFLPPYPHAAASRCRPPGVARPVQSSSTVSAPSSSTPAADEAVSAERLEPRV | 60 |
| 61 | EQREGRYWVLKEKYRTGLNPQEKVKLGEKPMMSLFMEGIGIKELAKMPMEIEADKLSKEDI | 120 |
| 121 | DVRLKWLGLFHRRKH ^{QY} GRFM ^M RLKLPNGVTTSEQTRYLASVIEAYGKEGGCADVTRQNW | 180 |
| 181 | QIRGVTLPDVPAILDGLNAVGLTSLQSGMDNVRNPNVGNPLAGIDPDEIVDTRSYTNLSS | 240 |
| 241 | YITSNFGGNPTITNLPRKWNVCVIGSHDLYEHPHINDLAYMPAVKGKFGNLLVGGFIS | 300 |
| 301 | PKRWEALPLDAWVPGDDIIPVCKAVLEAYRDLGTRGNRQKTRMMWLIDELGMEAFRSEV | 360 |
| 361 | EKRMPNGVLERAAP[D]LDIDKKWQRRDYLGVHPHQEGMSYVGLHVHPVGTVQADMFLAR | 420 |
| 421 | LADEYGSGELRLTVEQNIVIPNVKNEKVEALLA[SEPLLQKFSPPQPSLLLKGLVACTGNQFC] | 480 |
| 481 | GQAIIETKQRALLVTSQVEKLVSVPRAVRMHWWTGCPNSCGQVQVADIGFMGCLTKDSAGK | 540 |
| 541 | IVEAADIFVGGGRVGSDSHLAGAYKKSSVPCDELAPIVADILVERFFGAVRREEDEE | 596 |

(SEQ ID NO: 3 OR 6)

FIG. 5

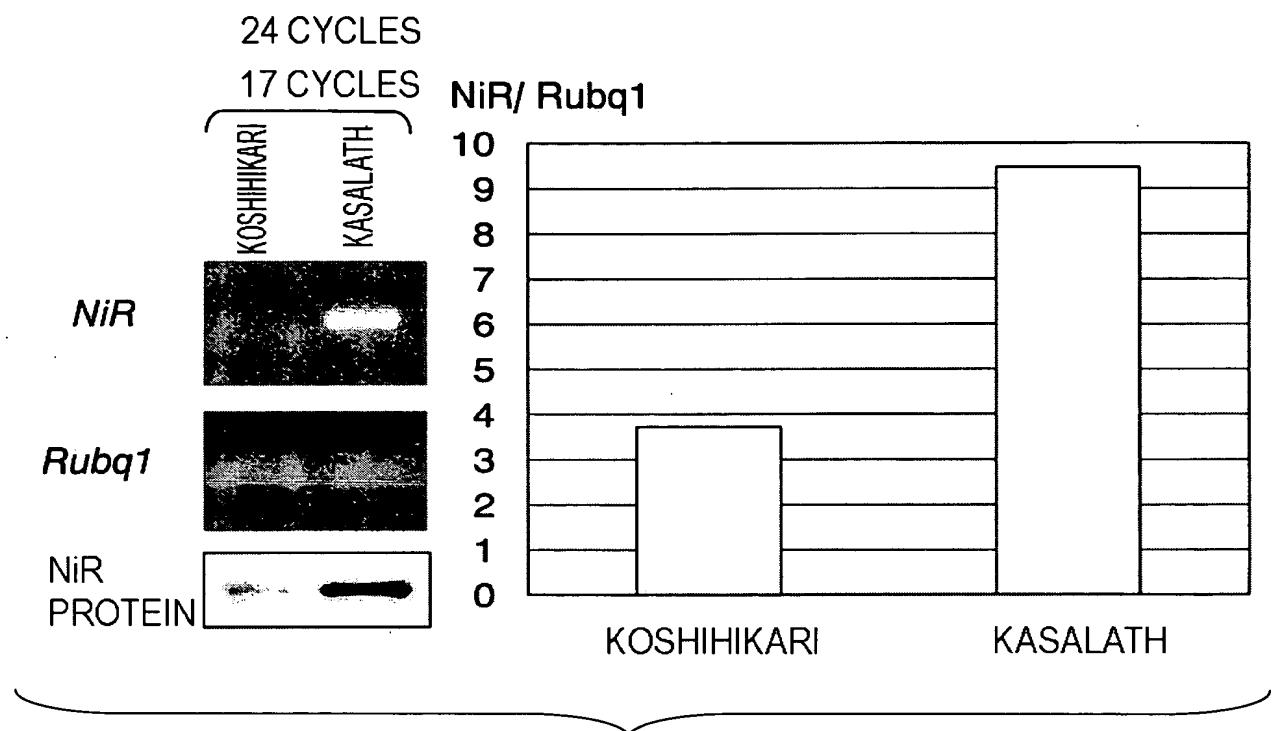


FIG. 6

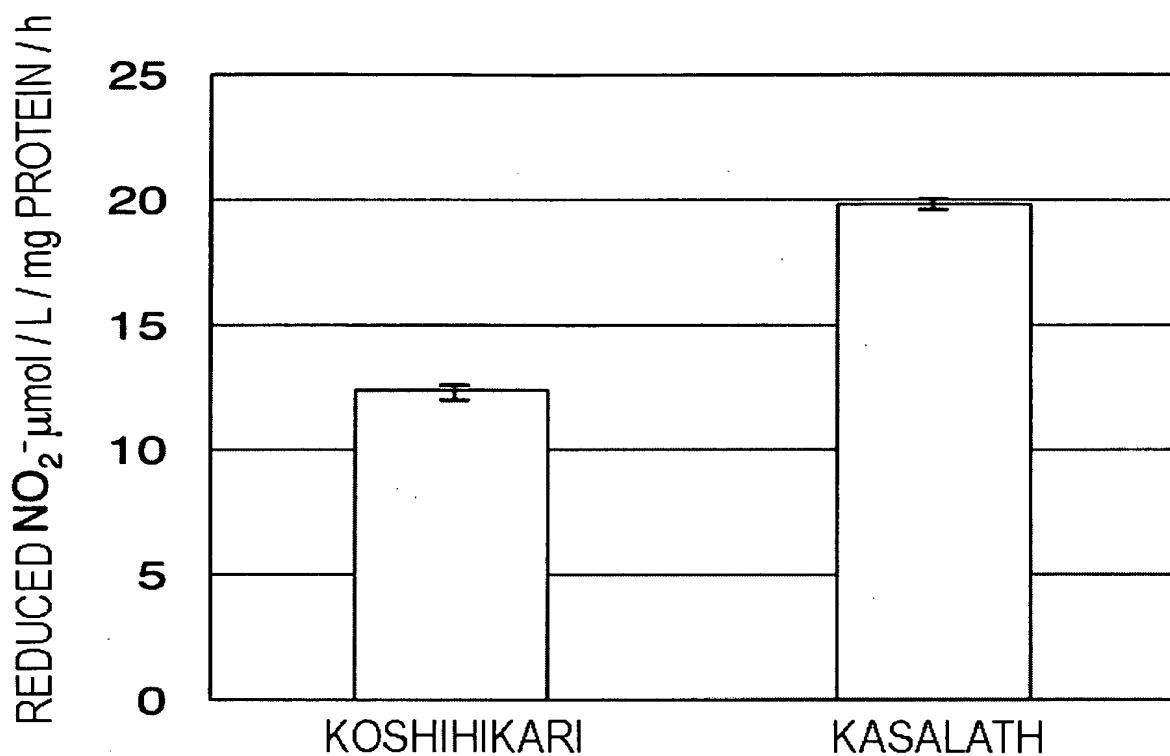


FIG. 7

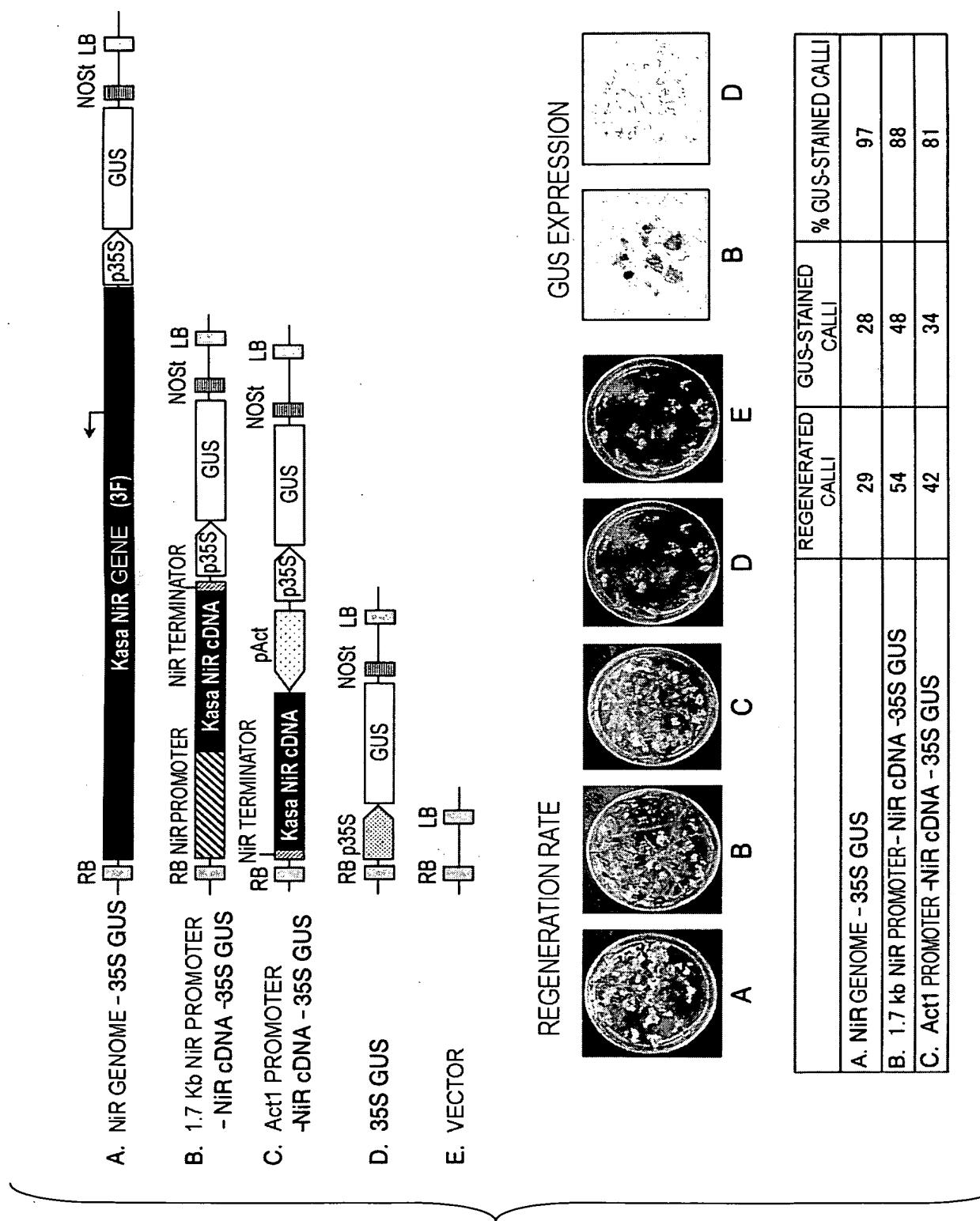


FIG. 8

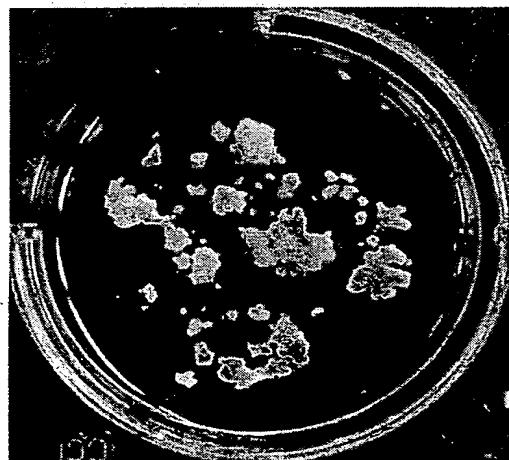
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+NaNO₂

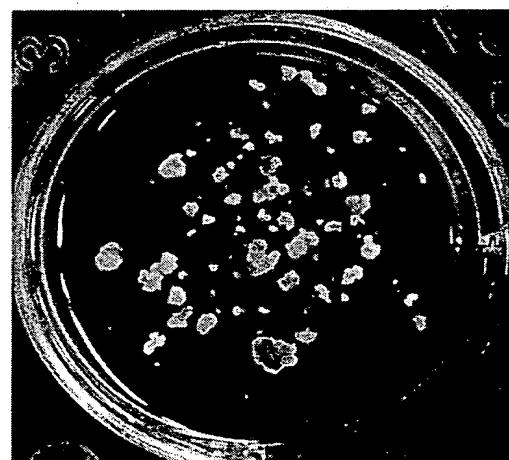


b

GUS-STAINED



a



b

FIG. 9